

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	190	307/75.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 18:18
S2	2	"20020141867"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 12:55
S3	10	("4953068" "6181235" "6301128" "6227204" "5709291").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 12:56
S4	2	de adj "19927190"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 12:56
S5	2	de adj "19927087"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 12:57
S12	2	gb adj "2346744"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 13:09
S13	16	S3 S4 S5 S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 13:10

## EAST Search History

S14	1	10/542638	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 13:13
S19	198	("4345875" "5969441" "5812505" "5815246" "6034834" "4447769" "4509002" "4548544" "4581728" "5226449" "5325884" "5391865" "5409088" "5461272" "5811821" "5905703" "6008881" "6022591" "6120120" "6145356" "4258786" "4283866" "4299426" "4316482" "4347864" "4405014" "4480309" "4507641" "4513496" "4553648" "4561081" "4581499" "4582437" "4587384" "4592055" "4593220" "4767098" "4779724" "4787268" "4790554" "4796112" "4797999" "4811798" "4861321" "4966356" "5216191" "5232023" "5245232" "5249116" "5272774" "5277485" "5279068" "5291756" "5321560" "5321603" "5325880" "5364742" "5372060" "5376913" "5382951" "5394376" "5408591" "5408719" "5427142" "5455723" "5458609" "5481074" "5482414" "5497568" "5508932" "5540704" "5551338" "5553678" "5589998" "5606635" "5622152" "5662664" "5689389" "5700272" "5703584" "5712841" "5741277" "5760983" "5775166" "5803337" "5806629" "5809201" "5824929" "5859947" "5864441" "5865453" "5881198" "5899829" "5911240" "5927439" "5953105" "5950765" "5954487" "5959952" "5986256" ).pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:15
S21	2	"19927087"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:15

## EAST Search History

S23	10	("4953068" "6181235" "6301128" "6227204" "5709291").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:30
S24	2	de adj "19927190"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:30
S25	2	de adj "19927087"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:30
S26	2	gb adj "2346744"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:30
S27	16	S23 S24 S25 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:30
S29	64	(contactless contact-less) adj power adj (transmission transmitting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:31
S32	16	(contactless contact-less) adj power adj (transmission transmitting) and transformer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:46

## EAST Search History

S33	6	(contactless contact-less) adj power adj (transmission transmitting) and transformer and (stationary fixed steady) and (mov\$3 rotating rotational rotates)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:50
S34	5	(contactless contact-less) adj power adj (transmission transmitting) and transformer and (stationary fixed steady) same (mov\$3 rotating rotational rotates)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 16:50
S35	4	(contactless contact-less) adj power adj (transmission transmitting) and transformer and (stationary fixed steady) same (mov\$3 rotating rotational rotates) and frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:02
S36	4	(contactless contact-less) adj power adj (transmission transmitting) and transformer and (stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor) and frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:10
S37	7	(contactless contact-less) adj2 power adj2 (transmission transmitting) and transformer and (stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor) and frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:11
S38	7	(contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) and transformer and (stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor) and frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:11
S39	7	(contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) and transformer and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:34

## EAST Search History

S41	3	(contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) and transformer and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and frequency and capacit\$4 and (switches transistors semiconductors bipolar mosfet fet mos cmos)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 17:36
S42	4	(contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) and transformer and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and frequency and capacit\$4 and (switch\$3 contact\$3 transistor bjt igbt gto ((nnp npn) NEAR junction) thyristor triac scr diac (silicon ADJ control ADJ rectifier) varactor varicon sidac (cmos pmos nmos bimos) ((c p m bi) adj mos) mos sidactor sts (silicon near2 trigger\$3 near2 switch\$3) (field adj effect adj transistor) (Metal-Oxide adj Semiconductor) (Metal adj Oxide adj Semiconductor) (mesfet igfet sensefet) (( mes sense ig) adj fet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 18:54
S43	5	(contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) and transformer and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and frequency and capacit\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:00
S44	534	((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) and transformer (rotary adj transformer)) and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and frequency and capacit\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:01
S45	79	((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) and transformer (rotary adj transformer)) same (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) same frequency same capacit\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:11

## EAST Search History

S46	9157417	(switch\$3 contact\$3 transistor bjt igbt gto ((nnp pnp) NEAR junction) thyristor triac scr diac (silicon ADJ control ADJ rectifier) varactor varicon sidac (cmos pmos nmos bimos) ((c p m bi) adj mos) mos sidactor sts (silicon near2 trigger\$3 near2 switch\$3) (field adj effect adj transistor) (Metal-Oxide adj Semiconductor) (Metal adj Oxide adj Semiconductor) (mesfet igfet sensefet) ((mes sense ig) adj fet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:27
S47	68	S45 and S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:28
S48	5	(contactless contact-less) adj2 (power energy) adj2 (transmission transmitting convert\$3) and transformer and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and frequency and capacit\$4 and (switches transistors semiconductors bipolar mosfet fet mos cmos)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:37

## EAST Search History

S49	198	("4345875" "5969441" "5812505" "5815246" "6034834" "4447769" "4509002" "4548544" "4581728" "5226449" "5325884" "5391865" "5409088" "5461272" "5811821" "5905703" "6008881" "6022591" "6120120" "6145356" "4258786" "4283866" "4299426" "4316482" "4347864" "4405014" "4480309" "4507641" "4513496" "4553648" "4561081" "4581499" "4582437" "4587384" "4592055" "4593220" "4767098" "4779724" "4787268" "4790554" "4796112" "4797999" "4811798" "4861321" "4966356" "5216191" "5232023" "5245232" "5249116" "5272774" "5277485" "5279068" "5291756" "5321560" "5321603" "5325880" "5364742" "5372060" "5376913" "5382951" "5394376" "5408591" "5408719" "5427142" "5455723" "5458609" "5481074" "5482414" "5497568" "5508932" "5540704" "5551338" "5553678" "5589998" "5606635" "5622152" "5662664" "5689389" "5700272" "5703584" "5712841" "5741277" "5760983" "5775166" "5803337" "5806629" "5809201" "5824929" "5859947" "5864441" "5865453" "5881198" "5899829" "5911240" "5927439" "5953105" "5950765" "5954487" "5959952" "5986256" ).pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:41
S50	2	"19927087"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:41
S51	146	307/45.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:41

## EAST Search History

S52	10	("4953068" "6181235" "6301128" "6227204" "5709291").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:41
S53	2	de adj "19927190"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:41
S54	2	de adj "19927087"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:41
S55	2	gb adj "2346744"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:41
S56	16	S52 S53 S54 S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:41
S57	2	(S51 S56 S49 S50) and (contactless contact-less) adj2 (power energy) adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 19:41



## EAST Search History

S58	2029	((noncontact\$3 (non adj contact\$3) contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (induct\$3 adj coupl\$3) (transformer near rotatory)) and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and frequency and capacit\$4 and (switch\$3 contact\$3 transistor bjt igbt gto ((nnp npn) NEAR junction) thyristor triac scr diac (silicon ADJ control ADJ rectifier) varactor varicon sidac (cmos pmos nmos bimos) ((c p m bi) adj mos) mos sidactor sts (silicon near2 trigger\$3 near2 switch\$3) (field adj effect adj transistor) (Metal-Oxide adj Semiconductor) (Metal adj Oxide adj Semiconductor) (mesfet igfet sensefet)((mes sense ig) adj fet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 20:05
S59	311	((noncontact\$3 (non adj contact\$3) contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (induct\$3 adj coupl\$3) (transformer near rotatory)) same (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and frequency same capacit\$4 same (switch\$3 contact\$3 transistor bjt igbt gto ((nnp npn) NEAR junction) thyristor triac scr diac (silicon ADJ control ADJ rectifier) varactor varicon sidac (cmos pmos nmos bimos) ((c p m bi) adj mos) mos sidactor sts (silicon near2 trigger\$3 near2 switch\$3) (field adj effect adj transistor) (Metal-Oxide adj Semiconductor) (Metal adj Oxide adj Semiconductor) (mesfet igfet sensefet)((mes sense ig) adj fet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 20:09
S62	1	(S52 S53 S54 S55) and ((noncontact\$3 (non adj contact\$3) contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (induct\$3 adj coupl\$3) (transformer near rotatory))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 20:30

## EAST Search History

S63	34	("3938018"   "4800328"   "5070293"   "5216402"   "5341083"   "5550452"   "5570276"   "5608771"   "5638260"   "5777866"   "6055170"   "6069802").PN. OR ("6301128").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/01 20:32
S64	1	10/542638 and S42 and S43 and S44 and S45 and 5a and 5c and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 20:59
S65	1	10/542638 and "1" and "2" and "3" and "4" and "5a" and "5c" and "6"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 21:01
S66	1	10/542638 3c 5c "6" du dw ls	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/02/01 21:24
S69	3	(contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) and (sens\$3 detect\$3 monitor\$3 measur\$3) near2 (movement rotation angle shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 21:33
S70	4	(contactless contact-less) adj3 power adj3 (transmission transmitting convert\$3) and (sens\$3 detect\$3 monitor\$3 measur\$3) near2 (movement rotation angle shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 21:36
S71	7	(contactless contact-less) adj3 power adj3 (transmission transmitting convert\$3) and (sens\$3 detect\$3 monitor\$3 measur\$3 control\$4) near2 (movement rotation angle shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 21:38

## EAST Search History

S72	3	S71 not S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 21:38
S73	187	"5377807" "5396538" "5423334" "5426667" "5437277"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 21:42
S74	8187	((contactless contact-less) adj3 power adj3 (transmission transmitting convert\$3) ((inductive magnetic) adj2 coupl\$3) ((rotatory rotational) adj2 (convert\$3 transform\$3))) and (sens\$3 detect\$3 monitor\$3 measur\$3 control\$4) near2 (movement rotation angle shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 21:53
S75	1975	((contactless contact-less) adj3 power adj3 (transmission transmitting convert\$3) ((inductive magnetic) adj2 coupl\$3) ((rotatory rotational) adj2 (convert\$3 transform\$3))) same (sens\$3 detect\$3 monitor\$3 measur\$3 control\$4) near2 (mov\$3 movement rotation rotational angle angular shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 21:56
S76	1726	((contactless contact-less) adj3 power adj3 (transmission transmitting convert\$3) ((inductive magnetic) adj2 coupl\$3) ((rotatory rotational) adj2 (convert\$3 transform\$3))) and (sens\$3 detect\$3 monitor\$3 measur\$3 control\$4) near2 (movement rotation angle shaft) same (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 21:58

## EAST Search History

S77	2084	((contactless contact-less) adj3 power adj3 (transmission transmitting convert\$3) ((inductive magnetic) adj2 coupl\$3) ((rotatory rotational) adj2 (convert\$3 transform\$3))) and (sens\$3 detect\$3 monitor\$3 measur\$3 control\$4) near (position movement rotation angle shaft) same (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 22:16
S78	1944	((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) ((inductive magnetic) adj2 coupl\$3) ((rotatory rotational) adj (convert\$3 transform\$3))) and (sens\$3 detect\$3 monitor\$3 measur\$3 control\$4) near (position movement rotation angle shaft) same (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 22:18
S79	104	((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) ((inductive magnetic) adj2 coupl\$3) ((rotatory rotational) adj (convert\$3 transform\$3))) and (sens\$3 detect\$3 monitor\$3 measur\$3 control\$4) near (position movement rotation angle shaft) same (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and (piezo piezoelectric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/01 22:48
S80	1	"5798622".pn. and "361"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 00:24
S81	1	"5798622".pn. and "361" and frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 00:25

## EAST Search History

S82	1	"5798622".pn. and (resonant capacit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 00:28
S83	1599	((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) ((inductive magnetic) adj2 coupl\$3) ((rotatory rotational) adj (convert\$3 transform\$3))) and (lc resonan\$2) same (primary static stationary fixed steady stator) and (switch transistor mosfet mos fet cmos) same (secondary mov\$3 rotating rotational rotates rotor rotary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 00:41
S84	52	((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) ((inductive magnetic) adj2 coupl\$3) ((rotatory rotational) adj (convert\$3 transform\$3))) and (lc resonan\$2) near5 (primary static stationary fixed steady stator) same (switch transistor mosfet mos fet cmos) near5 (secondary mov\$3 rotating rotational rotates rotor rotary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 00:43
S85	20	((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) ((inductive magnetic) adj2 coupl\$3) ((rotatory rotational) adj (convert\$3 transform\$3))) and (lc resonan\$2) near5 (primary static stationary fixed steady stator) same (switch transistor mosfet mos fet cmos) near5 (secondary mov\$3 rotating rotational rotates rotor rotary) and (plane airplane aircraft helicopter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 00:54
S86	16	(plane airplane aircraft helicopter) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:07

## EAST Search History

S87	42	(plane airplane aircraft helicopter vehicles aotomobile automotive truck train) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:11
S88	26	S87 not S86	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:12
S89	1	de adj "1004034011"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:28
S90	2	"19918655"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:31
S91	42	(plane airplane aircraft helicopter vehicles automobile automotive truck train) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:32
S92	42	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:32
S93	42	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train motorcicle) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:33

## EAST Search History

S94	42	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train motorcycle) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:33
S95	42	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train motorcycle tractor) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:33
S96	44	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train motorcycle tractor transport) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:34
S97	44	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train motorcycle tractor transport\$3) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:34
S98	44	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train motorcycle tractor transport\$3 bus) and (contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:34
S10 1	44	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train motorcycle tractor transport\$3 bus) and ((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (rotary adj trnasformer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:37
S10 2	1523	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train motorcycle tractor transport\$3 bus) and ((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (rotary adj transformer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:38

## EAST Search History

S10 3	589	(plane airplane aeroplane aircraft helicopter vehicles automobile automotive truck train motorcycle tractor transport\$3 bus) same ((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (rotary adj transformer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:38
S10 4	97	(airplane aeroplane aircraft helicopter) same ((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (rotary adj transformer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:39
S10 5	12	(airplane aeroplane aircraft helicopter) same ((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (rotary adj transformer)) same wing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 01:39
S10 6	1	("5798622" "6934167").pn. and (piezo piezoelectric (capacit\$4 near2 (actuator coupl\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 09:19
S10 7	778	(piezo piezoelectric (capacit\$4 near2 (actuator coupl\$3))) same ((noncontact\$3 (non adj contact\$3) contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (induct\$3 adj coupl\$3) (transformer near rotatory)) and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 09:23
S10 9	40	((((piezo piezoelectric) adj actuator) (capacit\$4 near2 (actuator coupl\$3))) same ((noncontact\$3 (non adj contact\$3) contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (induct\$3 adj coupl\$3) (transformer near rotatory)) and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and aircraft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 09:46



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S11 3	161	((piezo piezoelectric) adj2 actuator) (capacit\$4 near2 (actuator coupl\$3))) same ((noncontact\$3 (non adj contact\$3) contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (induct\$3 adj coupl\$3) (transformer near rotatory)) and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and (aircraft airplane aeroplane vehicle automobile automotive automotor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 09:50
S11 5	0	((piezo piezoelectric) adj2 actuator) ) same ((noncontact\$3 (non adj contact\$3) contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (induct\$3 adj coupl\$3) (transformer near rotatory)) and (static stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor rotary) and (aircraft airplane aeroplane vehicle automobile automotive automotor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 09:51
S11 6	182	((piezo piezoelectric) adj2 actuator) and (aircraft airplane aeroplane) same wing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 10:00
S11 7	2	((piezo piezoelectric) adj2 actuator) and ((rotary adj wing) helicopter) and ((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (rotary adj transformer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 10:26
S11 8	175	((piezo piezoelectric) adj2 actuator) and ((rotary adj wing) helicopter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 10:27

## EAST Search History

S11 9	18	((rotary adj wing) helicopter) and ((contactless contact-less) adj2 power adj2 (transmission transmitting convert\$3) (rotary adj transformer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 10:28
S12 1	0	((piezo piezoelectric) adj2 actuator) same positive same negative same (half-waves halfwave (half adj wave)) same control\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 11:10
S12 2	9	((piezo piezoelectric) adj2 actuator) same (half-waves halfwave (half adj wave)) same control\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/02 11:10
S12 3	466	((piezo piezoelectric) adj2 actuator) near10 (transformer isolat\$3 ((magnet\$3 induct\$4) adj coupl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 10:23
S12 4	4	((piezo piezoelectric) adj2 actuator) near10 (transformer isolat\$3 ((magnet\$3 induct\$4) adj coupl\$3)) same bridge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 10:35
S12 5	15	((piezo piezoelectric) adj2 actuator) near10 (transformer isolat\$3 ((magnet\$3 induct\$4) adj coupl\$3)) same (bridge matrix)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 10:37
S12 6	1	((piezo piezoelectric) adj2 actuator) near10 (transformer isolat\$3 ((magnet\$3 induct\$4) adj coupl\$3)) same (scr thyristor) same parallel same diode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 12:18

## EAST Search History

S12 7	1	((piezo piezoelectric) adj2 actuator) same (transformer isolat\$3 ((magnet\$3 induct\$4) adj coupl\$3)) same (scr thyristor) same parallel same diode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 12:19
S12 8	3	((piezo piezoelectric) adj2 actuator) same (scr thyristor) same parallel same diode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 12:47
S12 9	1	((piezo piezoelectric) adj2 actuator) near10 (transformer isolat\$3 ((magnet\$3 induct\$4) adj coupl\$3)) same (thyristor scr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:01
S13 0	49	((piezo piezoelectric) adj2 actuator) near10 (transformer isolat\$3 ((magnet\$3 induct\$4) adj coupl\$3)) same (thyristor scr switch\$3 (charg\$3 near10 discharg\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:02
S13 1	10	("4953068" "6181235" "6301128" "6227204" "5709291").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:22
S13 2	2	de adj "19927190"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:22
S13 3	2	de adj "19927087"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:22

## EAST Search History

S13 4	2	gb adj "2346744"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:22
S13 5	16	S131 S132 S133 S134	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:22
S13 6	9	"5572178"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:37
S13 7	146	307/45.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:52
S13 8	1	("6934167").pn. and "s1"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:52
S13 9	1	("6934167").pn. and "s.sub.1"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:53
S14 0	1	("6934167").pn. and (direction unidirectional bidirectional)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 13:55

## EAST Search History

S14 1	2	((piezo piezoelectric) adj2 actuator) same unidirectional near2 switch\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 14:01
S14 2	27	((piezo piezoelectric) adj2 actuator) same (scr thyristor unidirectional) same (switch\$3 semiconductor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 14:04
S14 3	1	(S131 S132 S133 S134) and (unidirectional uni-directional thyristor scr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 14:10
S14 4	79	((piezo piezoelectric) adj2 actuator) same (scr thyristor unidirectional)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 14:18
S14 5	52	S144 not S142	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 14:18
S14 6	200	(piezo piezoelectric) same ((unidirectional and bidirectional) (unipolar and bipolar) ((scr thyristors) and triac))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 15:18
S14 7	168	(piezo piezoelectric) same ((unidirectional same bidirectional) (unipolar same bipolar) ((scr thyristors) same triac))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 15:20

## EAST Search History

S14 8	24	((stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor) (rotatory near2 transformer)) and (piezo piezoelectric) same ((unidirectional same bidirectional) (unipolar same bipolar) ((scr thyristors) same triac))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 15:23
S14 9	2	((stationary fixed steady stator) same (mov\$3 rotating rotational rotates rotor) (rotatory near2 transformer)) and ((piezo piezoelectric) same (scr thyristors) same triac)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 15:35
S15 0	1	converter and ((piezo piezoelectric) same (scr thyristors) same triac)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 15:36
S15 1	378	((piezo piezoelectric) same (bipolar npn pnp scr thyristors triac) same (fet mosfet mos cmos nmos pmos c-mos p-mos n-mos))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 15:48
S15 2	30	((piezo piezoelectric) near2 actuator same (bipolar npn pnp scr thyristors triac) same (fet mosfet mos cmos nmos pmos c-mos p-mos n-mos))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 15:55
S15 3	1	"5798622".pn. and sensor and shaft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 16:22
S15 4	3	("5798622" "6231013" "6934167" "6231013").pn. and (sens\$3 monitor\$3 measur\$3 detect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 16:39

## EAST Search History

S15 5	4	("5798622" "6231013" "6934167" "6231013").pn. and (sens\$3 monitor\$3 measur\$3 detect\$3 piezo)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 16:45
S15 6	5	("5798622" "6231013" "6934167" "6231013").pn. and (sens\$3 monitor\$3 measur\$3 detect\$3 piezo rotor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 16:46
S15 7	1	1995-121315	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 17:30
S15 8	3	("5798622" "6231013" "6934167"). pn. and (piezo piezoelectric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/03 17:45